

## ULTRASONIC DIAGNOSTIC DEVICE

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**Inventor:** OKAWA EIICHI; SUZUKI TAKASHI; IRIOKA KAZUYOSHI;  
KOIZUMI JUN  
**Applicant:** MATSUSHITA ELECTRIC IND CO LTD  
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## Abstract of JP2002153473

**PROBLEM TO BE SOLVED:** To provide an inexpensive and high-performance ultrasonic diagnostic device capable of acquiring fine three-dimensional ultrasonic images in a short time by simple constitution. **SOLUTION:** In this ultrasonic diagnostic device 10, while a transducer 11 for transmitting and receiving ultrasonic waves is rotated below a window 16 to which a diagnostic object T is pressed, the ultrasonic waves sent into the diagnostic object T and reflected are received, ultrasonic tomographic images P are synthesized and generated three-dimensional images are displayed and outputted at a display device 25. The transducer 11 is rotated back and forth, the ultrasonic tomographic images P at different angles to the diagnostic object T in the going path and the returning path are alternately acquired and thus, the three-dimensional ultrasonic images are generated.

